

PROJECT DESCRIPTION

GENERAL

THIS PORTION OF THE PROJECT INVOLVES THE MODIFICATION OF THE EXISTING TRAFFIC SIGNAL WITH STREET LIGHTING AT THE INTERSECTION OF MD 2 (Solomons Island Road) AND MITCHELLS CHANCE ROAD, ANNE ARUNDEL COUNTY. MD 2 (Solomons Island Road) IS ASSUMED TO RUN IN NORTH/SOUTH DIRECTION.

INTERSECTION OPERATION

NO CHANGES TO THE EXISTING INTERSECTION OPERATION IS REQUIRED.

MAINTENANCE OF TRAFFIC

THE CONTRACTOR SHALL UTILIZE THE FOLLOWING MD-SHA STANDARD PLATES FOR MAINTENANCE OF TRAFFIC:

104.00-00	104.00-03	104.32-02	104.33-02	104.35-00
104.36-02	104.37-02	104.39-02	104.40-02	104.41-02
104.44-02	104.45-02	104.46-02	104.49-02	104.56-02

PROJECT CONTACTS:

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MR. JOHN MAYS, ASSIST. DISTRICT ENGINEER
UTILITIES
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MR. LARRY ELLIOTT, ASSIST. DISTRICT ENGINEER-TRAFFIC
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SHA, TRAFFIC SIGNAL SHOP
MR. EDWARD ROSENHIZER, CHIEF
PHONE: (410) 787-7650

MR. RICHARD L. DAFF SR., CHIEF, TRAFFIC OPERATIONS DIVISION
PHONE: (410) 787-7630

Item No. Quantity Specification Unit Section Description

EQUIPMENT LIST

A. EQUIPMENT TO BE SUPPLIED BY THE ADMINISTRATION.

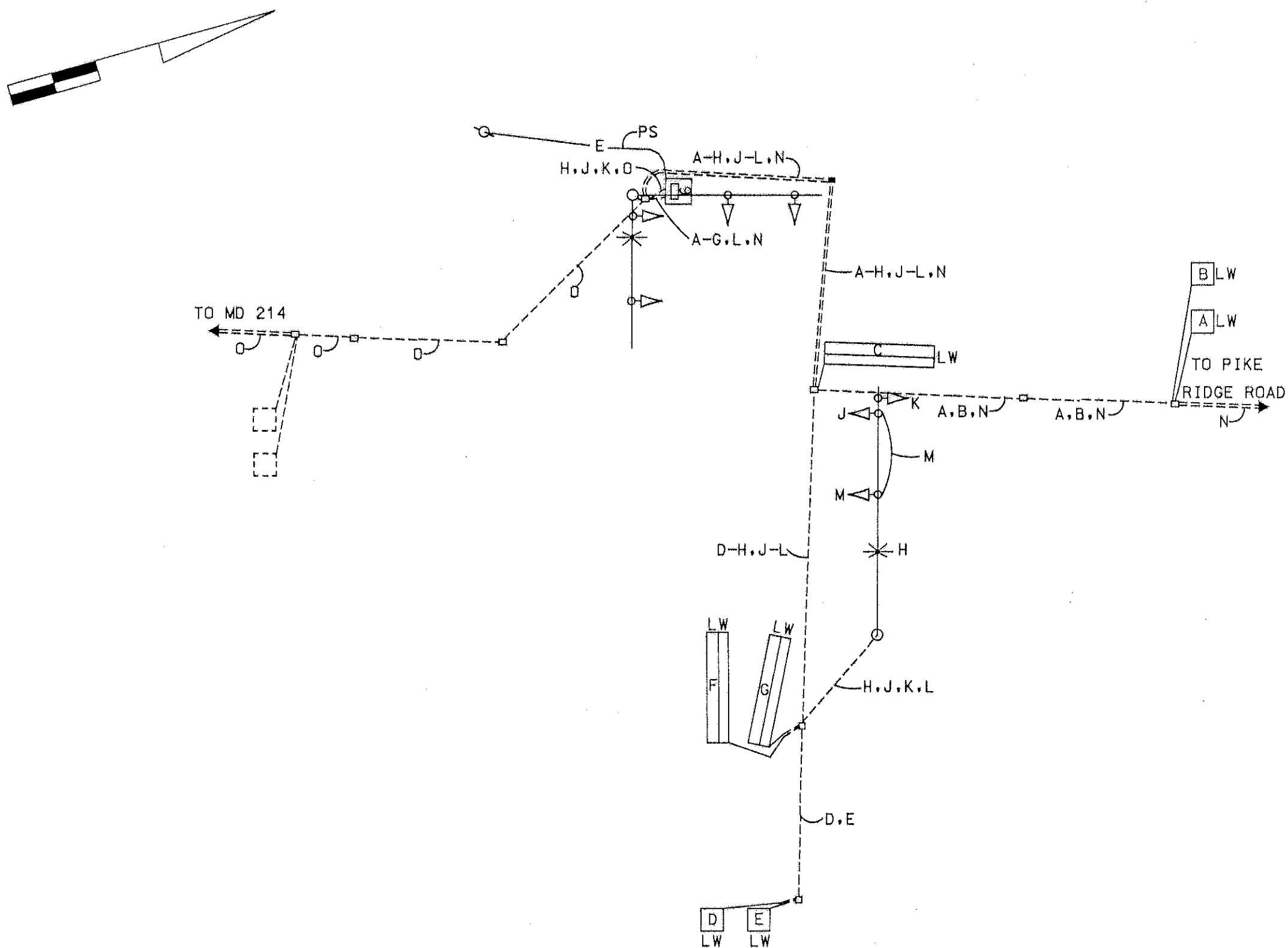
Category Code No.	Qty.	Unit	Specification Section	Description
973023	24	SF	813	Sheet aluminum signs consisting of: 1 EA Guide shield assembly (24" x 51") 1 EA Guide shield assembly (30" x 75")
900000	1	EA	816	D - Panel
900000	1	EA	816	Coordination Module

B. EQUIPMENT TO BE FURNISHED AND /OR INSTALLED BY THE CONTRACTOR.

Item Code No.	Qty.	Unit	Specification Section	Description
70	LF	555		Furnish and install 24 in. white reflective thermoplastic pavement markings
800000	60	LF	805	Furnish and install 4 in. schedule 80 rigid PVC conduit - trenching
805155	60	LF	805	Furnish and install 4 in. schedule 80 rigid PVC conduit - slotted
805160	35	LF	805	Furnish and install 1 in. liquid tight flexible non-metallic conduit for detector wire sleeve
862101	1750	LF	810	Furnish and install loop wire encased in flexible tubing (No. 14 AWG)
811001	1	EA	811	Furnish and install electrical handhole
862102	540	LF	815	Furnish and install sawcut for signal

PHASE SEQUENCE CHART
NO CHANGE TO THE EXISTING
INTERSECTION OPERATION IS REQUIRED

WIRING DIAGRAM



WIRING KEY	
A	2 CONDUCTOR (ALUMINUM SHIELDED) CABLE (NO. 14 AWG) RE-ROUTED
H	2 CONDUCTOR TRAY CABLE (NO. 12 AWG) RE-ROUTED
I	DELETED
J	7 CONDUCTOR CABLE (NO. 14 AWG) RE-ROUTED
L	1 CONDUCTOR STRANDED BARE COPPER GROUND WIRE (NO. 6 AWG) RE-ROUTED
M	5 CONDUCTOR CABLE (NO. 14 AWG) EXISTING
N	12 PAIR TWISTED INTERCONNECT CABLE (NO. 19 AWG) PROPOSED
LW	LOOP DETECTOR WIRE (NO. 14 AWG) IN FLEXIBLE TUBING
PS	EXISTING POWER SERVICE

NOTE: ELECTRICAL CABLES A-H AND J-L ARE EXISTING AND SHALL BE DISCONNECTED, PULLED BACK, AND RE-ROUTED AS NOTED.



MARYLAND DOT - STATE HIGHWAY ADMINISTRATION
Office of Traffic & Safety
TRAFFIC ENGINEERING DESIGN DIVISION

TRAFFIC SIGNALIZATION PLAN
MD 2 (SOLOMONS ISLAND ROAD) AND
MITCHELLS CHANCE ROAD



SABRA, WANG & ASSOCIATES, INC.
1506 JOH AVENUE
SUITE 180
BALTIMORE, MD 21227
(410) 787-6564

DRAWN BY: A. FORNARO
CHECKED BY: Steve Renzl
SCALE: 1"=20'
DATE: OCTOBER, 1999

F.A.P. NO. N/A
S.H.A. NO. AA-169-502-270
COUNTY: ANNE ARUNDEL
LOG MILE: 02000216.61

GI NO.
3225 G.L.
T.I.M.S. NO.

SHEET NO.
OF